

### **ABSTRACT**

Accelerometer offset is reduced by forming mass support structures within an inner periphery of the mass, affixing the mass support structures to the substrate by at least one anchor positioned near the mass' center of mass, and  
5 affixing the sensing fingers proximate to the anchor. The mass support structures can be affixed to the substrate using a single anchor or multiple anchors that are positioned close together. The sensing fingers can be affixed to the substrate or to the mass support structures. The mass is typically suspended  
10 from within its periphery but toward its outer periphery.